	APOLLO HOSPITALS, SECUNDERABAD		AAC- 06b
			Issue: C
	Laboratory- Scope of Services		Date: 06-01-2017
			Page 1 of 8
<b>PREPARED BY:</b> <b>HOD-Laboratory</b>		<b>APPROVED BY:</b> <b>Chief Executive Officer</b>	

Man's quest to conquer disease and prolong life has resulted in today's multifaceted healthcare system. With the goal of bringing health care based on international standards within the reach of every individual, the Chairman of Apollo Hospitals group, Padmabhushan Dr. Prathap C Reddy, a visionary deemed to be the father of modern Medicare has brought in the concept of corporate hospitals in our country in 1983.


It started with it's mission :

- To bring international standards of health care within the reach of common man.
- To allow doctors and other medicare specialists to utilize and better their skills in an ethical, professional and world class hospital facility.

The department of laboratory services of Apollo Hospitals, Secunderabad occupies an area of 670 sq ft in the First floor of the hospital building, which is easily accessible to appropriate personnel, while maintaining certain degree of privacy and seclusion for tests to be carried out in a safe and efficient manner.

The laboratory strives to achieve quality performance in par with the mission of the hospital which states the following, "Our mission is to bring health care of international standards within the reach of every individual. We are committed to the achievement and

**CONTROLLED COPY**  
**QUALITY DEPARTMENT**

	APOLLO HOSPITALS, SECUNDERABAD		AAC- 06b
			Issue: C
	Laboratory- Scope of Services		Date: 06-01-2017
			Page 2 of 8
<b>PREPARED BY:</b> HOD-Laboratory		<b>APPROVED BY:</b> Chief Executive Officer	


maintenance of excellence in education, research and health care for the benefit of humanity”

The department is equipped with biochemical, haematological and serological automated analysers which perform basic and special investigations on blood and various body fluids. The tests performed and equipments are elaborated in Annexures-2&8 of Laboratory Manual.

A standardized set of protocols are followed to assure and maintain quality of services provided, which encompasses daily quality controls, participation in external proficiency programmes, regular evaluation of compiled data with initiation of corrective and preventive actions, regular training sessions for the laboratory staff and periodic maintenance as well as calibration of equipments.

Stations / counter / area	Process
Clinical pathology	All stool, urine and semen samples are analysed. Section equipped with Urine Analyser, Dedicated Microscope and a Centrifuge.
Haematology	Routine blood counts, coagulation studies, malarial parasite detection, and peripheral smear examination are done. Section equipped with Automated Cell

**CONTROLLED COPY**  
**QUALITY DEPARTMENT**

	APOLLO HOSPITALS, SECUNDERABAD	AAC- 06b
		Issue: C
	Laboratory- Scope of Services	Date: 06-01-2017
		Page 3 of 8
PREPARED BY:  HOD-Laboratory		APPROVED BY:  Chief Executive Officer


	Counter, Coagulometer, Nycocard reader and Microscope.
Serology	Routine tests are conducted both manually and by Chemiluminescence techniques. Section equipped with Automated analyser.
Biochemistry	All routine chemistry analyses like Glucose, Liver function tests, Lipid profile, calcium, urea, uric acid, amylase, electrolytes, blood gases etc., are carried out by using fully automated Random Access Chemistry Analysers and Blood gas analyser.

## List of Investigations

### Biochemistry

Test/Profile	Individual Tests
<b>Diabetes Testing</b>	
	GLUCOSE (FASTING)
	GLUCOSE (POST PRANDIAL)
	GLUCOSE (RANDOM)
	<b>ORAL GLUCOSE TOLERANCE TEST</b>
	<b>(ADA PROTOCOL)</b>
	GLUCOSE (FASTING)
	GLUCOSE (2 HOURS)
	<b>ORAL GLUCOSE TOLERANCE TEST</b>
	<b>(STANDARD)</b>


**CONTROLLED COPY**  
**QUALITY DEPARTMENT**

	APOLLO HOSPITALS, SECUNDERABAD	AAC- 06b
		Issue: C
	Laboratory- Scope of Services	Date: 06-01-2017
		Page 4 of 8
PREPARED BY:  HOD-Laboratory		APPROVED BY:  Chief Executive Officer

	GLUCOSE (FASTING)
	POST-GLUCOSE LOAD SAMPLES
	<b>ORAL GLUCOSE CHALLENGE TEST</b>
	<b>(GESTATIONAL SCREEN)</b>
	GLUCOSE (1 HOUR) IN RANDOM STATE
	<b>ORAL GLUCOSE TOLERANCE TEST</b>
	<b>(GESTATIONAL DIABETES)</b>
	GLUCOSE (FASTING)
	GLUCOSE(1 HOUR)
	GLUCOSE (2 HOURS)
	GLUCOSE(3 HOURS)
	<b>GESTATIONAL DIABETES</b>
	<b>(NEW PROTOCOL)</b>
	GLUCOSE (FASTING)
	GLUCOSE(1 HOUR)
	GLUCOSE (2 HOURS)
<b>Lipid Profile</b>	
	CHOLESTEROL(TOTAL)
	CHOLESTEROL(HDL)
	TRIGLYCERIDES
	CHOLESTEROL(LDL-CALCULATED)
	CHOLESTEROL(TOTAL/HDL)RATIO
<b>Liver Function Test</b>	
	BILIRUBIN(TOTAL)
	BILIRUBIN(CONJUGATED)
	BILIRUBIN(UNCONJUGATED)
	ALKALINE PHOSPHATASE(ALP)
	ALANINE AMINOTRANSFERASE(ALT)
	ASPARTATE AMINOTRANSFERASE(AST)
	GAMMAGLUTAMYLTRANSPEPTIDASE(GGTP)
	PROTEIN(TOTAL)

**CONTROLLED COPY**

**QUALITY DEPARTMENT**


	<b>APOLLO HOSPITALS, SECUNDERABAD</b>	<b>AAC- 06b</b>
		<b>Issue: C</b>
	<b>Laboratory- Scope of Services</b>	<b>Date: 06-01-2017</b>
		<b>Page 5 of 8</b>
<b>PREPARED BY:</b> <b>HOD-Laboratory</b>		<b>APPROVED BY:</b> <b>Chief Executive Officer</b>

	ALBUMIN
	GLOBULINS-CALCULATED
	A/G RATIO -CALCULATED
<b>Kidney Function Test</b>	
	BLOOD UREA/ NITROGEN
	CREATININE
	URIC ACID
<b>Electrolytes</b>	
	SODIUM(NA+)
	POTASSIUM(K+)
	CHLORIDE(Cl-)
	BICARBONATE(HCO3)
<b>Cardiac Enzymes</b>	
	ASPARTATE AMINOTRANSFERASE(AST)
	CREATINE PHOSPHOKINASE (CK)
	LACTATE DEHYDROGENASE(LDH)
<b>Others</b>	
	CALCIUM
	PHOSPHORUS
	AMYLASE
	BLOOD GASES
<b>BODY FLUIDS</b>	GLUCOSE,PROTEIN,LDH,AMYLASE,URIC ACID, ALBUMIN,

### Haematology


Test/Profile	Individual Tests
<b>CBP WITH ESR</b>	
	Hb
	PCV/HCT
	TOTAL WBC COUNT(TLC)

**CONTROLLED COPY**  
**QUALITY DEPARTMENT**

	<b>APOLLO HOSPITALS, SECUNDERABAD</b>	<b>AAC- 06b</b>
		<b>Issue: C</b>
	<b>Laboratory- Scope of Services</b>	<b>Date: 06-01-2017</b>
		<b>Page 6 of 8</b>
<b>PREPARED BY:</b> <b>HOD-Laboratory</b>		<b>APPROVED BY:</b> <b>Chief Executive Officer</b>

	DIFFERENTIAL COUNT (DLC)
	PERIPHERAL SMEAR (PS)
	PLATELET COUNT (PLT)
	ERYTHROCYTE SEDIMENTATION RATE (ESR)
	MCV
	MCH
	MCHC
<b>COAGULATION PROFILE:</b>	
	PT
	APTT
	TT
	FACTOR XIII SCREENING
	PLATELET COUNT/MORPHOLOGY
	BT & CT
<b>HEMOPARASITES</b>	
	PERIPHERAL SMEAR (PS)
	BLOOD PARASITES(MICROFILARIA)
	BLOOD PARASITES (MALARIA)
	PARASITE - F
	PARASITE INDEX
<b>COMPLETE URINE EXAM</b>	
	SPECIFIC GRAVITY
	PH
	SUGAR
	PROTEIN
	BILE SALTS/BILE PIGMENTS
	BLOOD
	UROBILINOGEN
	KETONES

**CONTROLLED COPY**  
**QUALITY DEPARTMENT**

	APOLLO HOSPITALS, SECUNDERABAD	AAC- 06b
		Issue: C
	Laboratory- Scope of Services	Date: 06-01-2017
		Page 7 of 8
<b>PREPARED BY:</b> HOD-Laboratory		<b>APPROVED BY:</b> Chief Executive Officer


	NITRITES
	URINE SEDIMENT Microscopic Exam
Misc	SICKLING TEST
	RETICULOCYTE COUNT
	NASAL SMEAR FOR EOSINOPHILS

STOOL EXAMINATION	
	STOOL ROUTINE/OVA & CYST
	OCCULT BLOOD

### Serology & Microbiology

	Individual Tests
Screening	PREGNANCY TEST
	VDRL
	HIV (SPOT)
	HBSAG(SPOT)
	HCV(SPOT)
	CRP
	ASO
	RA FACTOR
	PROCALCITONIN

**CONTROLLED COPY**  
**QUALITY DEPARTMENT**

	<b>APOLLO HOSPITALS, SECUNDERABAD</b>	<b>AAC- 06b</b>
		<b>Issue: C</b>
	<b>Laboratory- Scope of Services</b>	<b>Date: 06-01-2017</b>
		<b>Page 8 of 8</b>
<b>PREPARED BY:</b> <b>HOD-Laboratory</b>		<b>APPROVED BY:</b> <b>Chief Executive Officer</b>

### Blood Bank

	Individual Tests
	Blood Group & Rh Typing

BODY FLUIDS	Individual Tests
	SEMEN ANALYSIS
	CSF
	PLEURAL FLUID
	ASCITIC FLUID
	GASTRIC FLUID
	SYNOVIAL FLUID
	CAPD FLUID
	BAL

**CONTROLLED COPY**  
**QUALITY DEPARTMENT**